

Fig 1

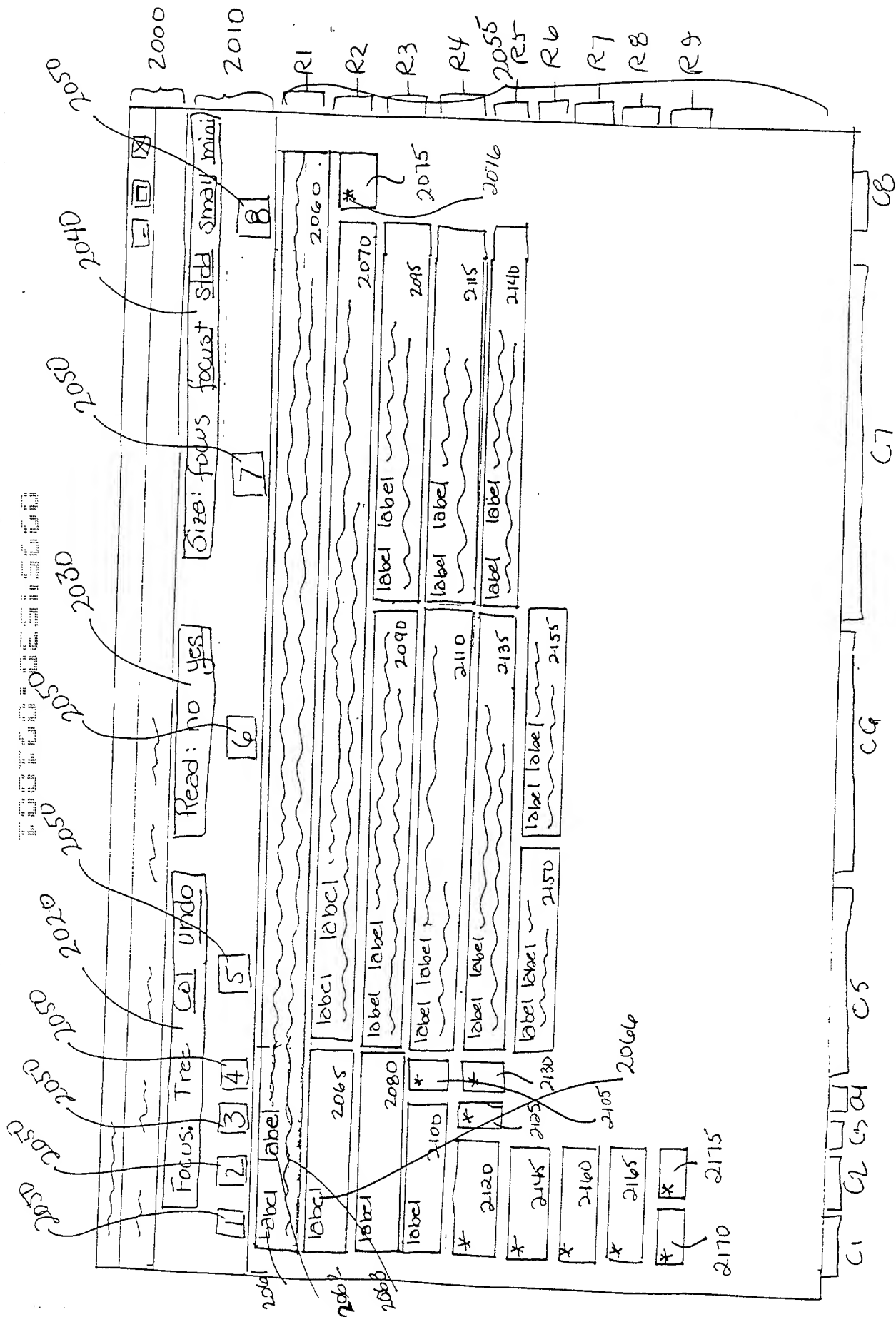


Fig. 2

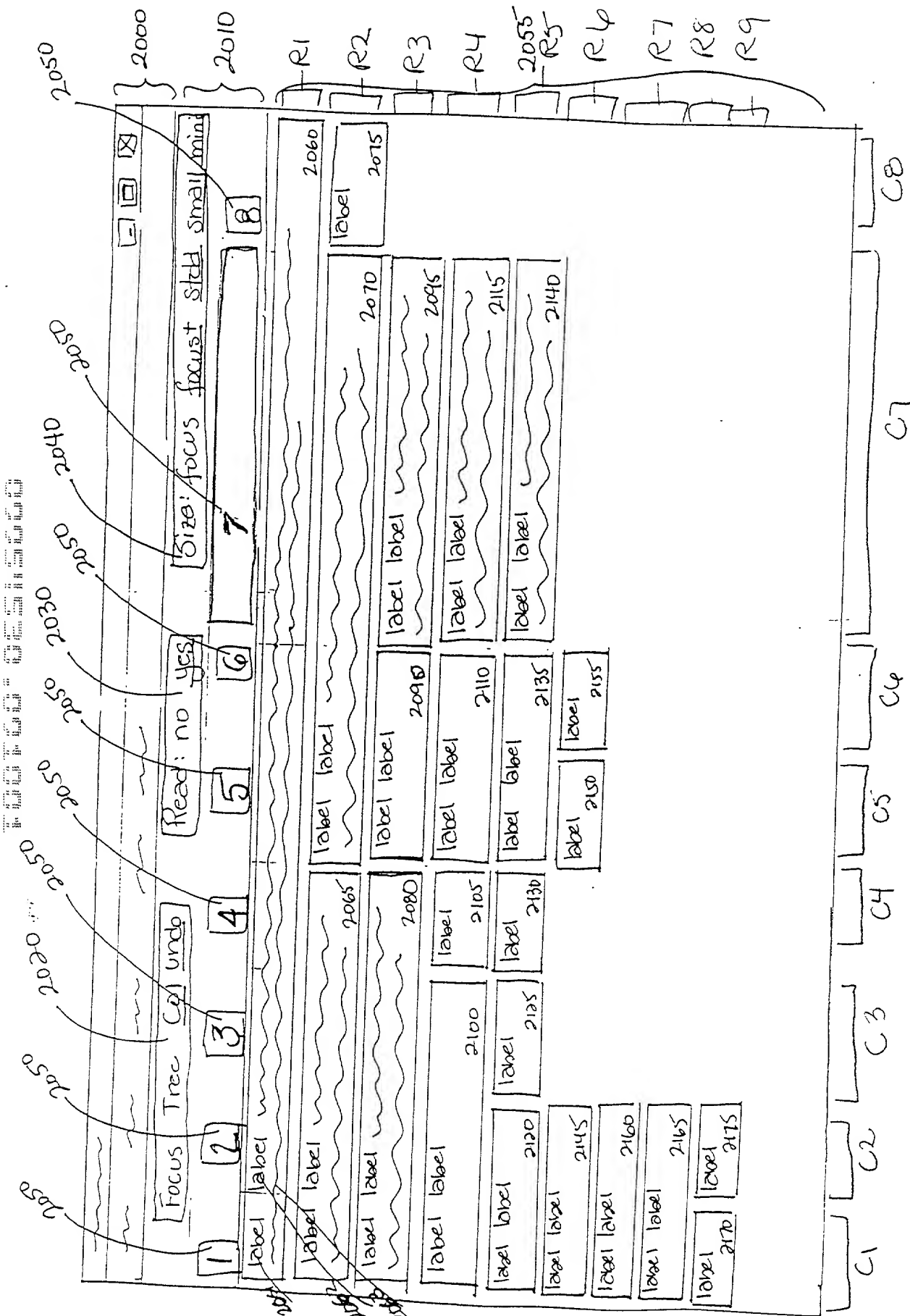


Fig 3

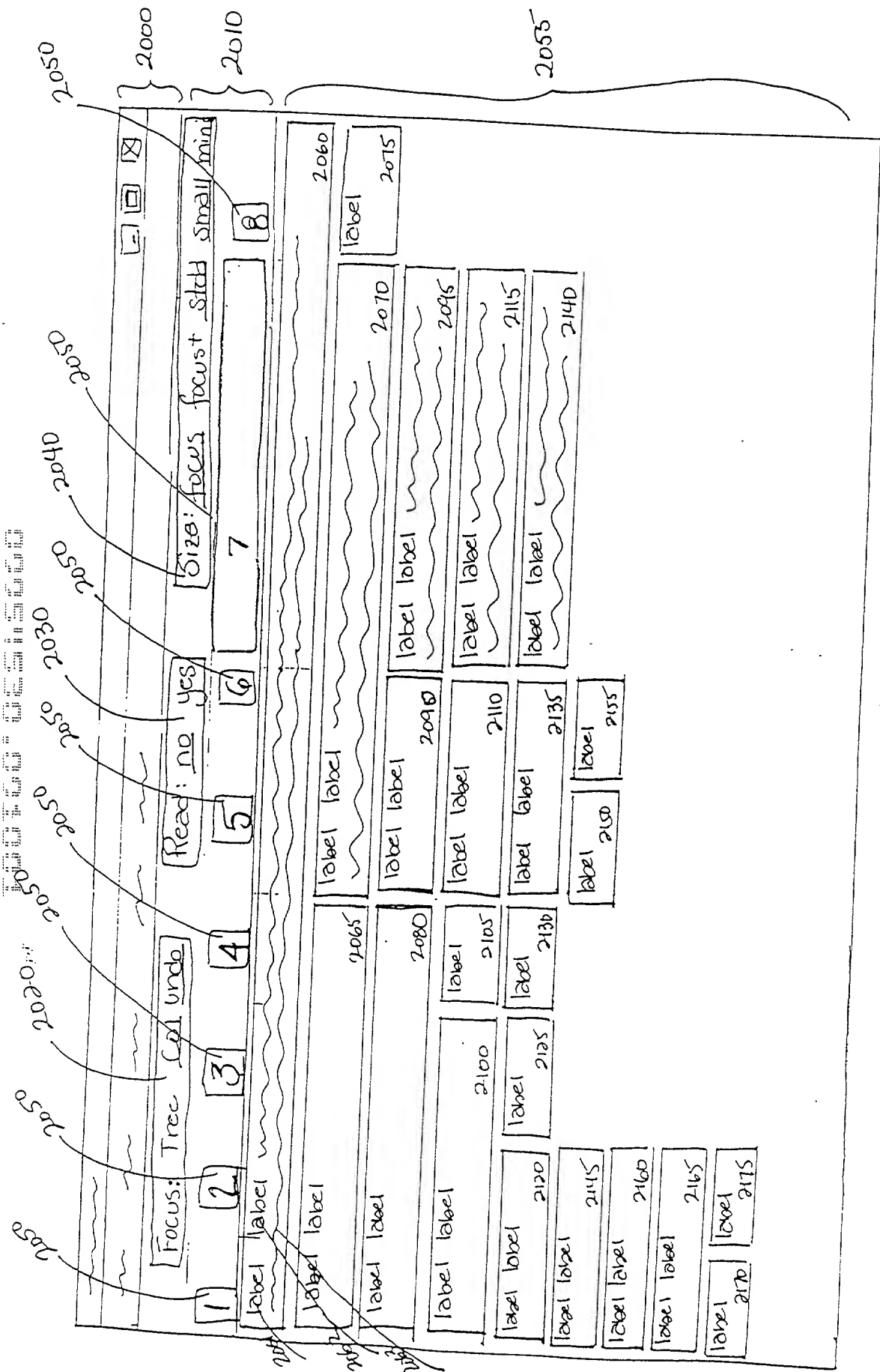


Fig. 4

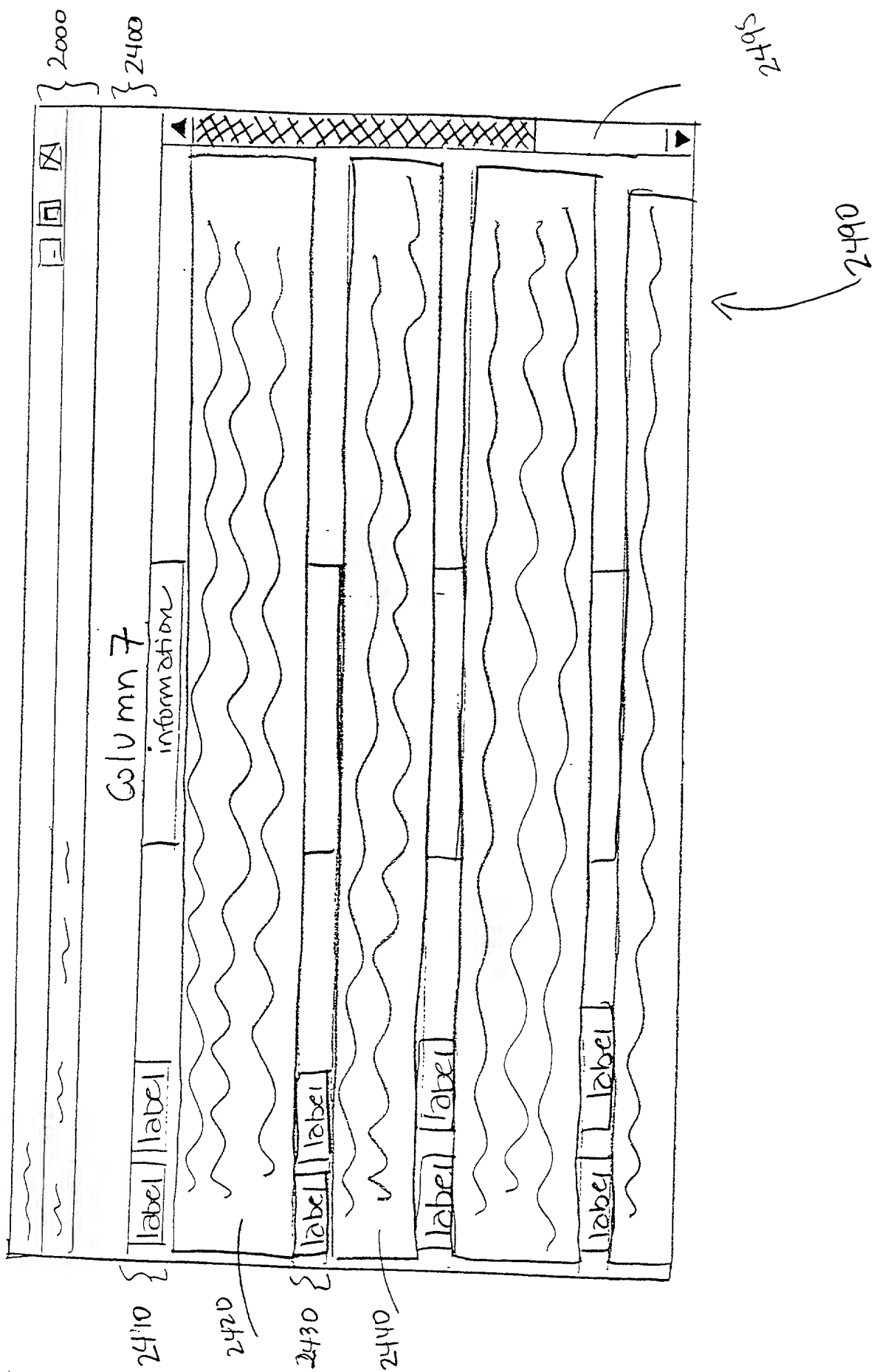
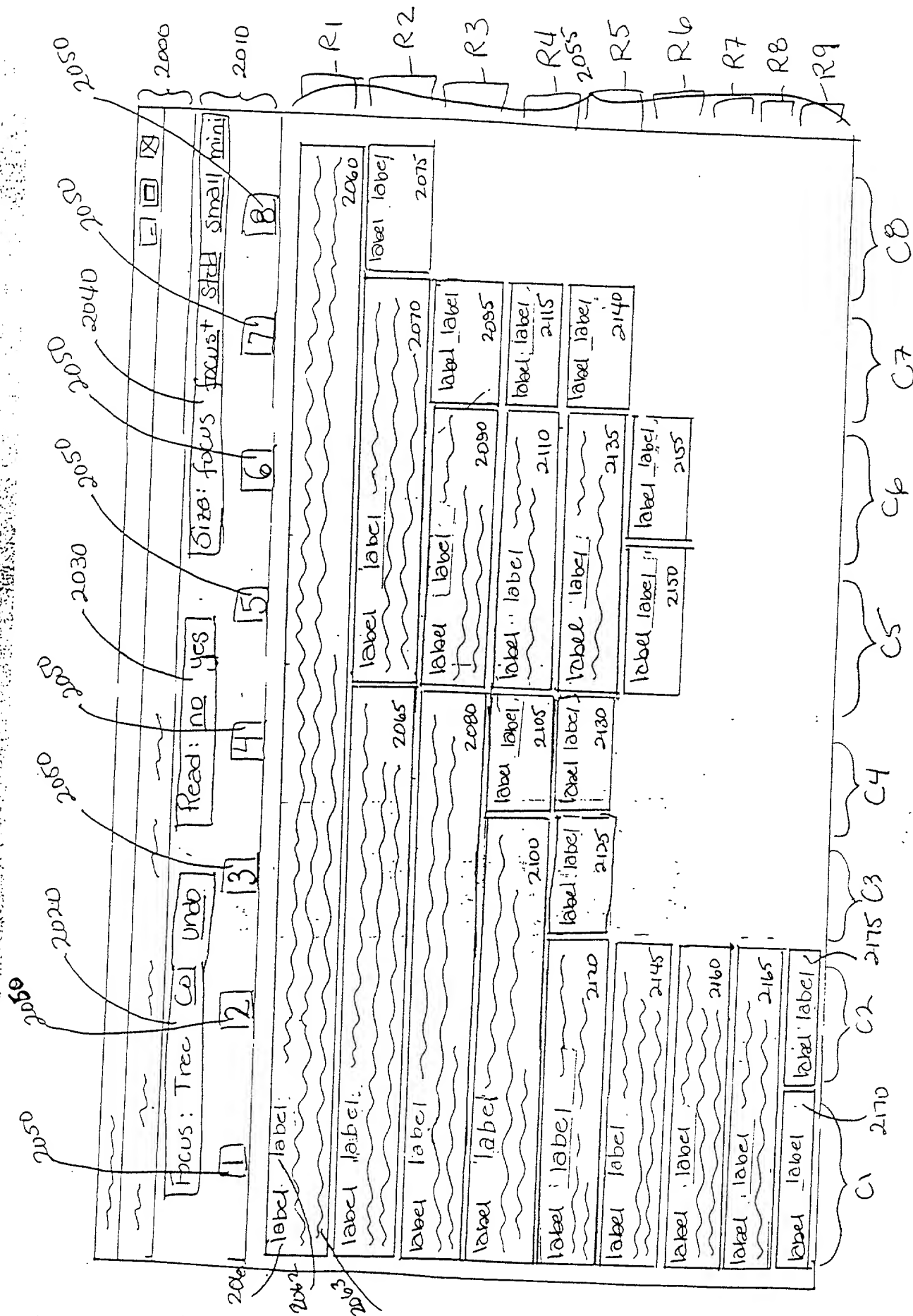


Figure 5



6  
10

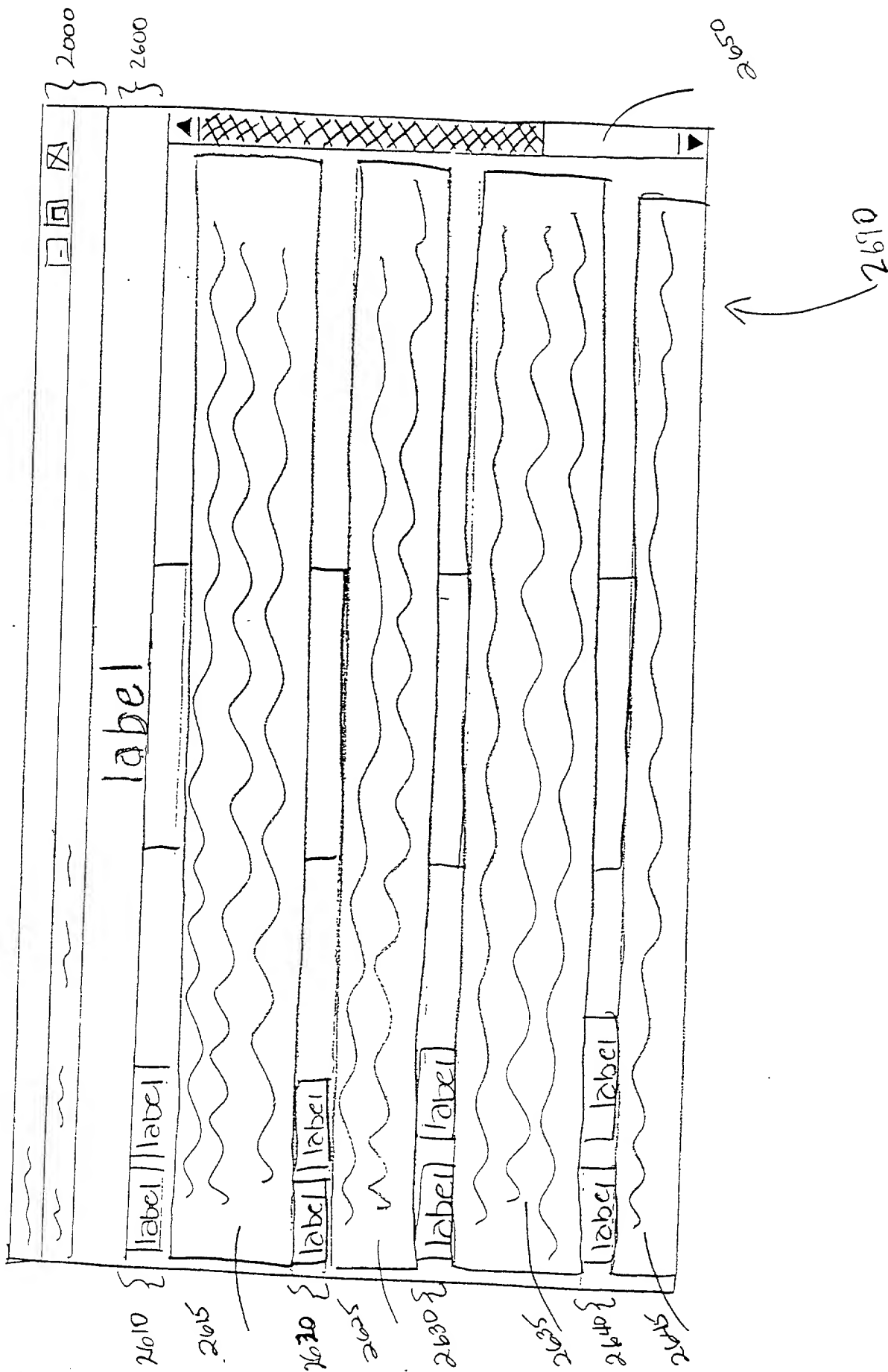


Figure 7

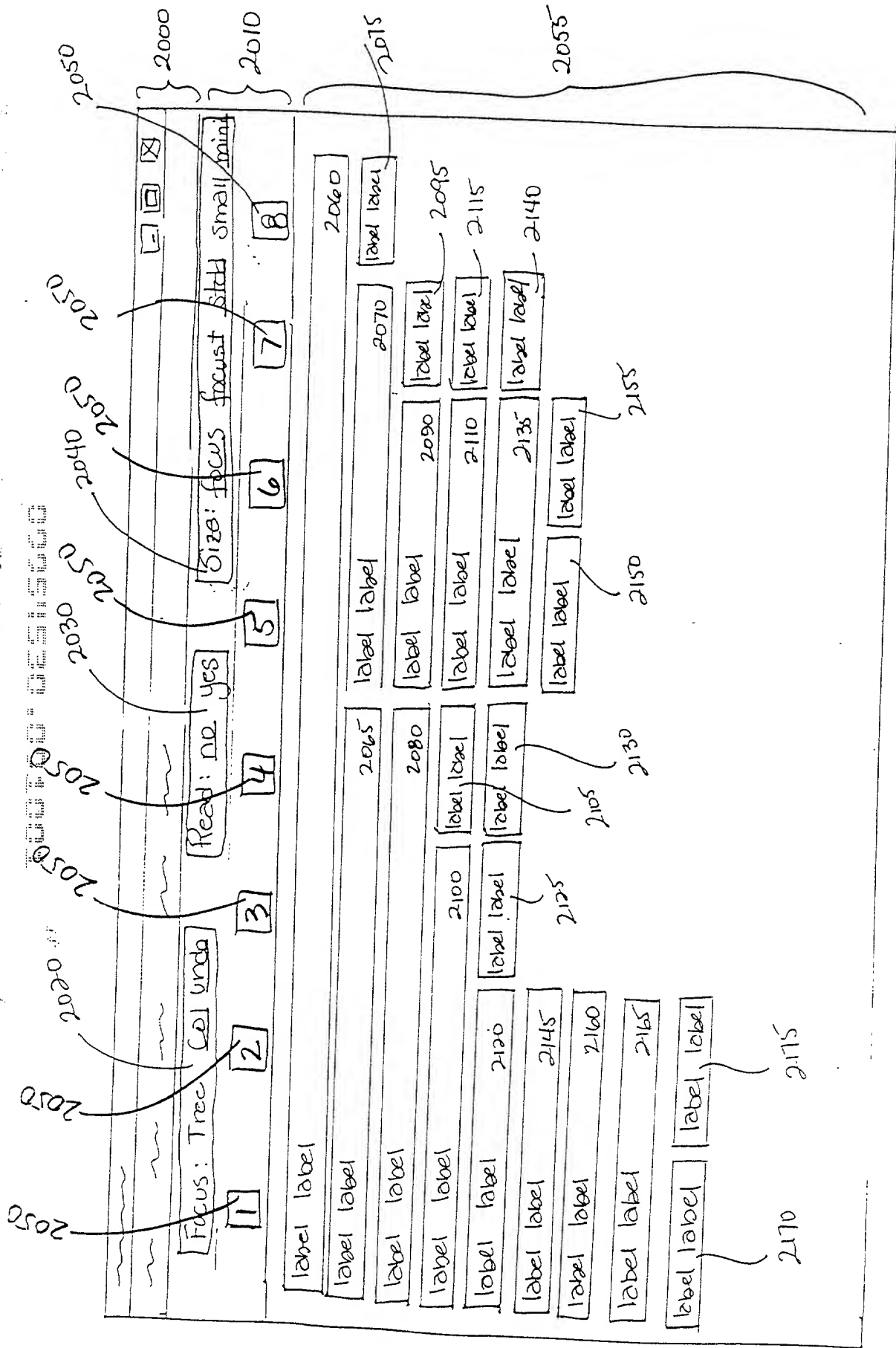
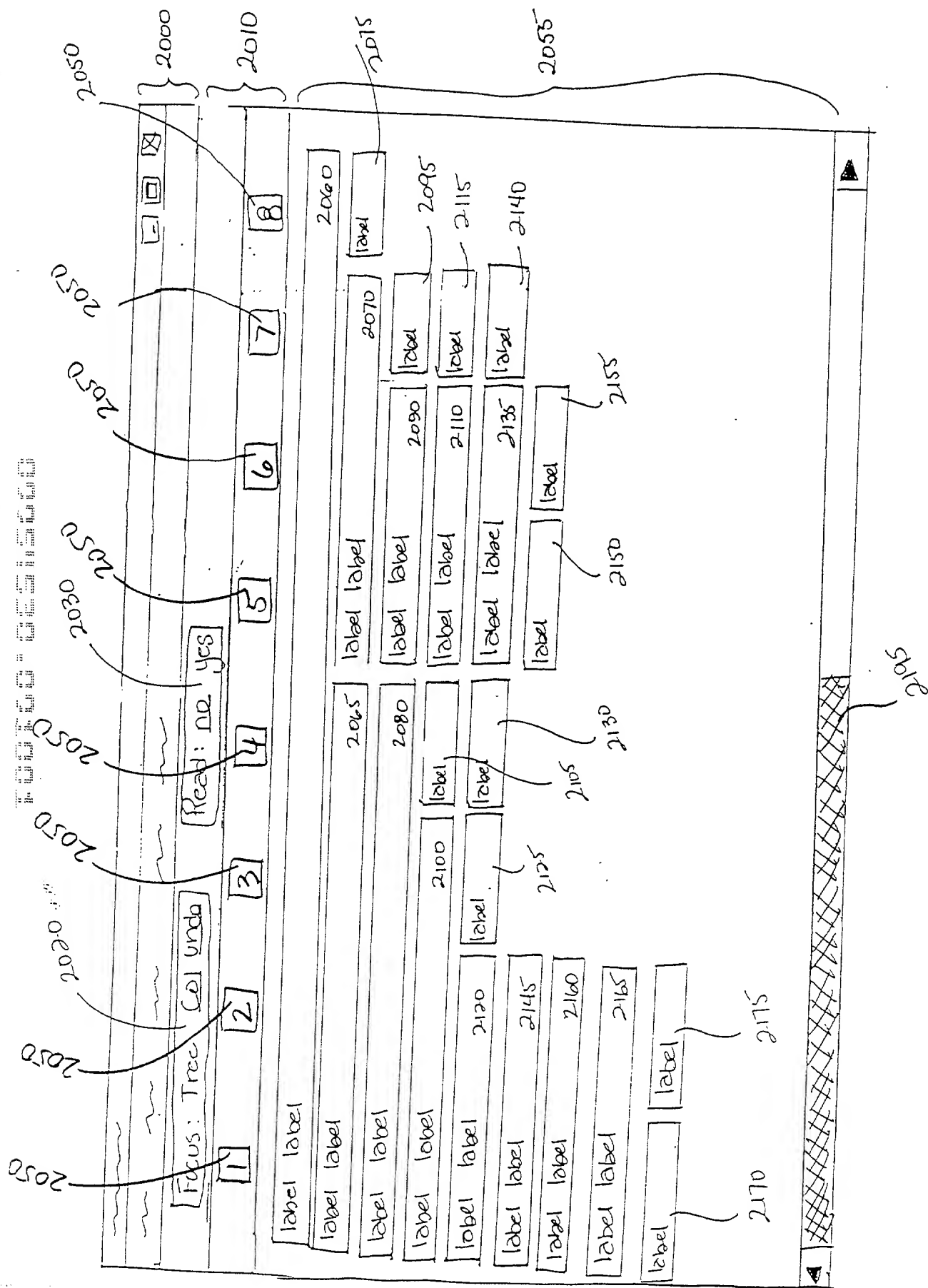


Fig. 8







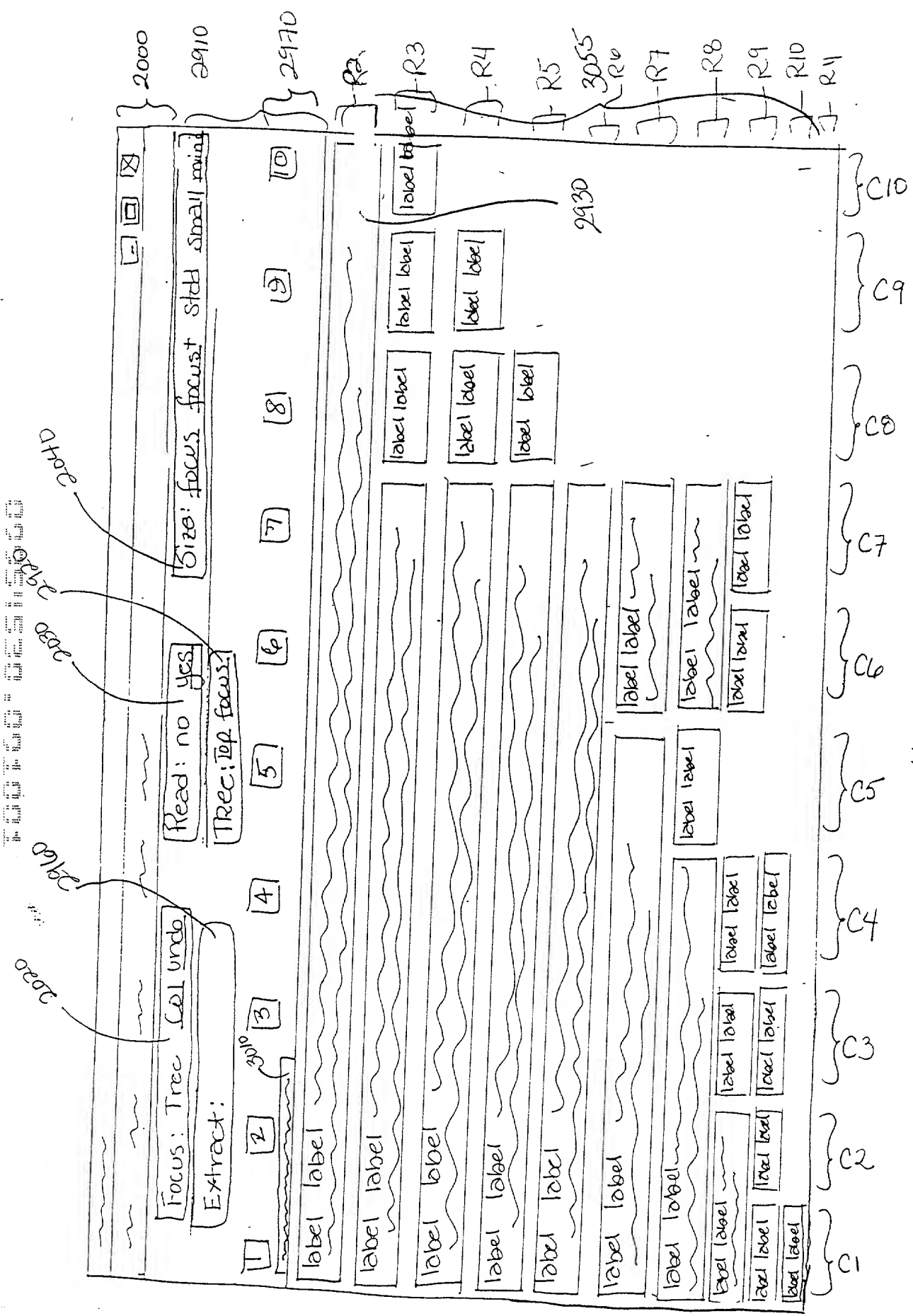


Fig 11

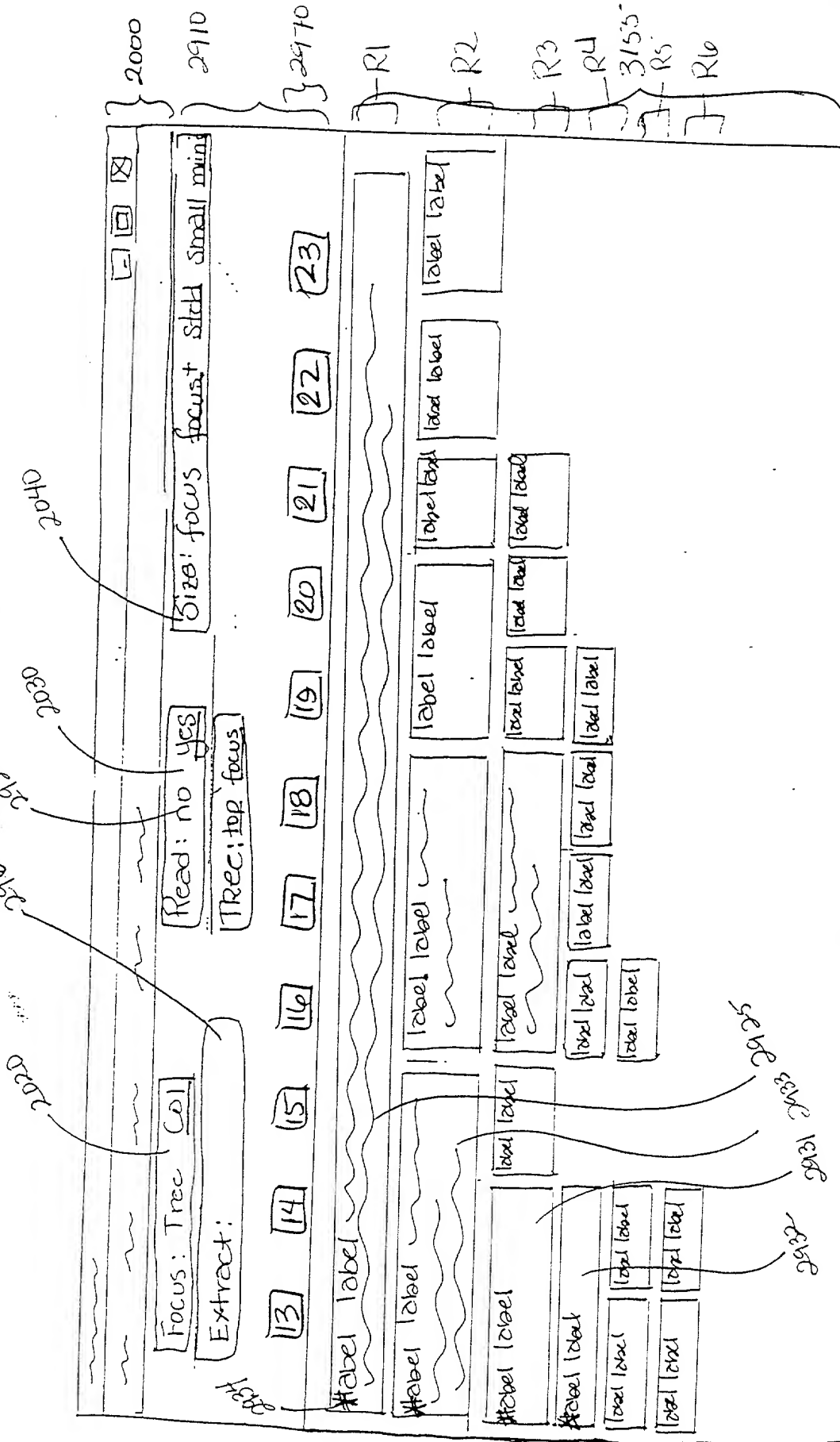


Fig 12

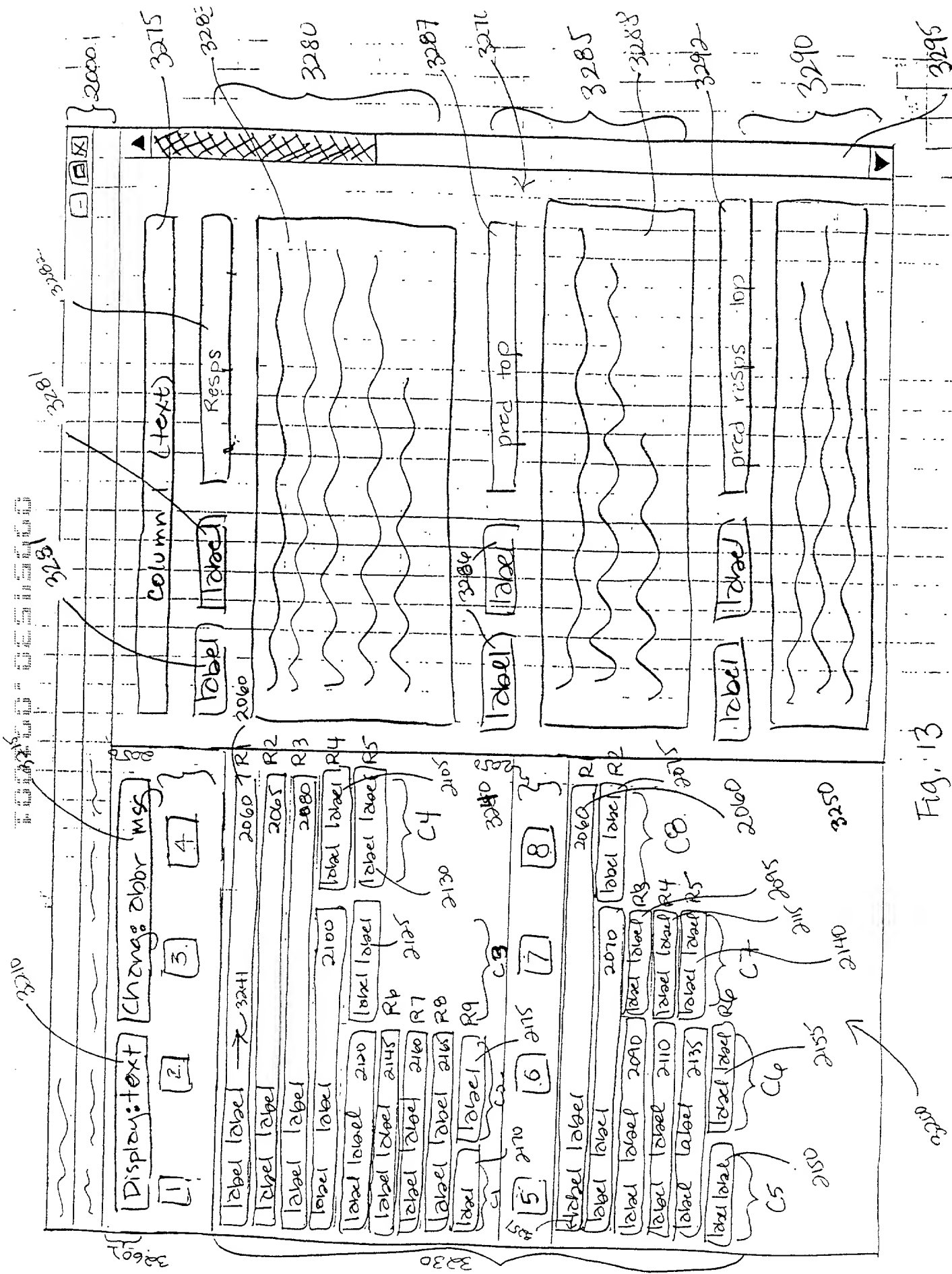


Fig. 13

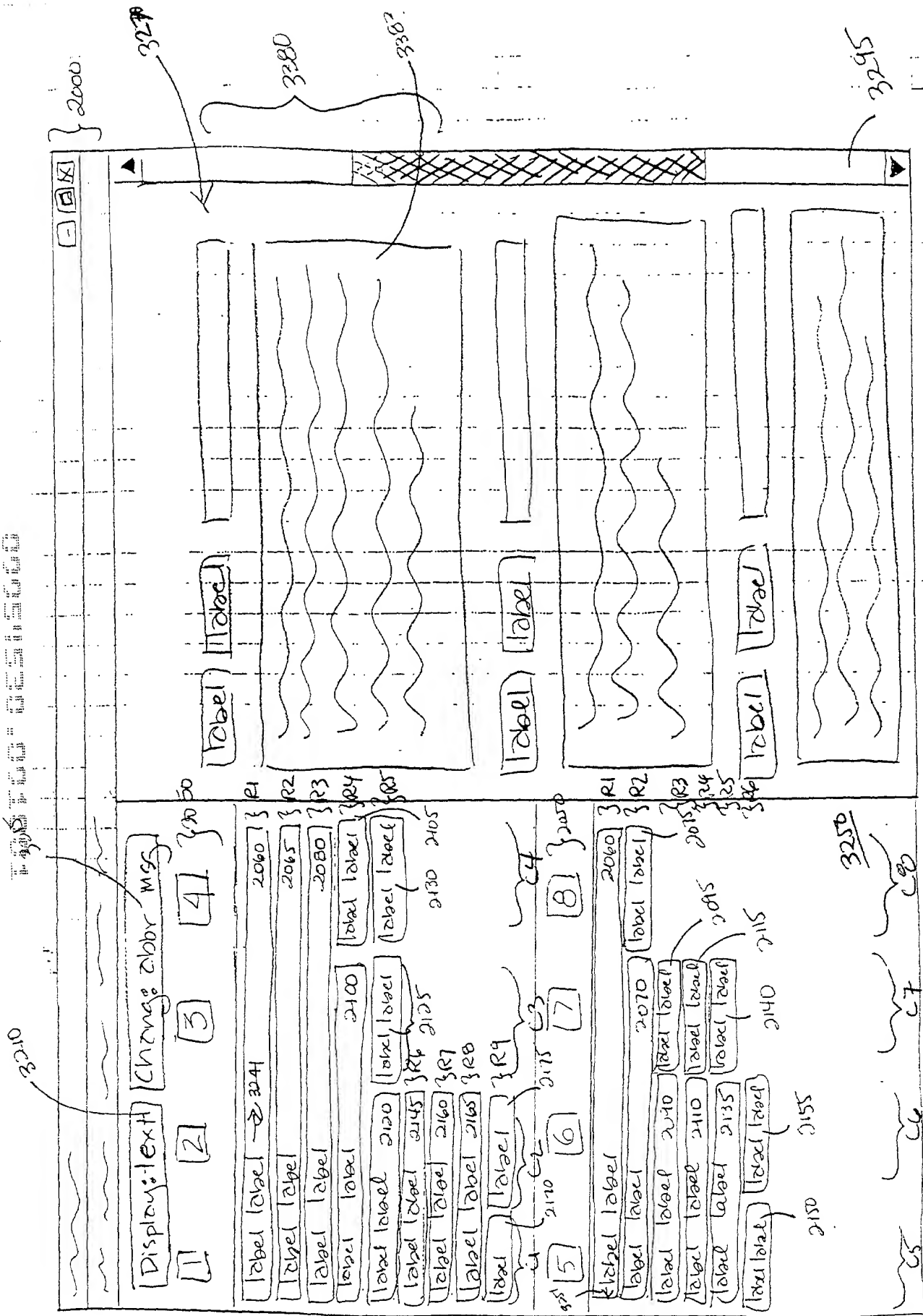
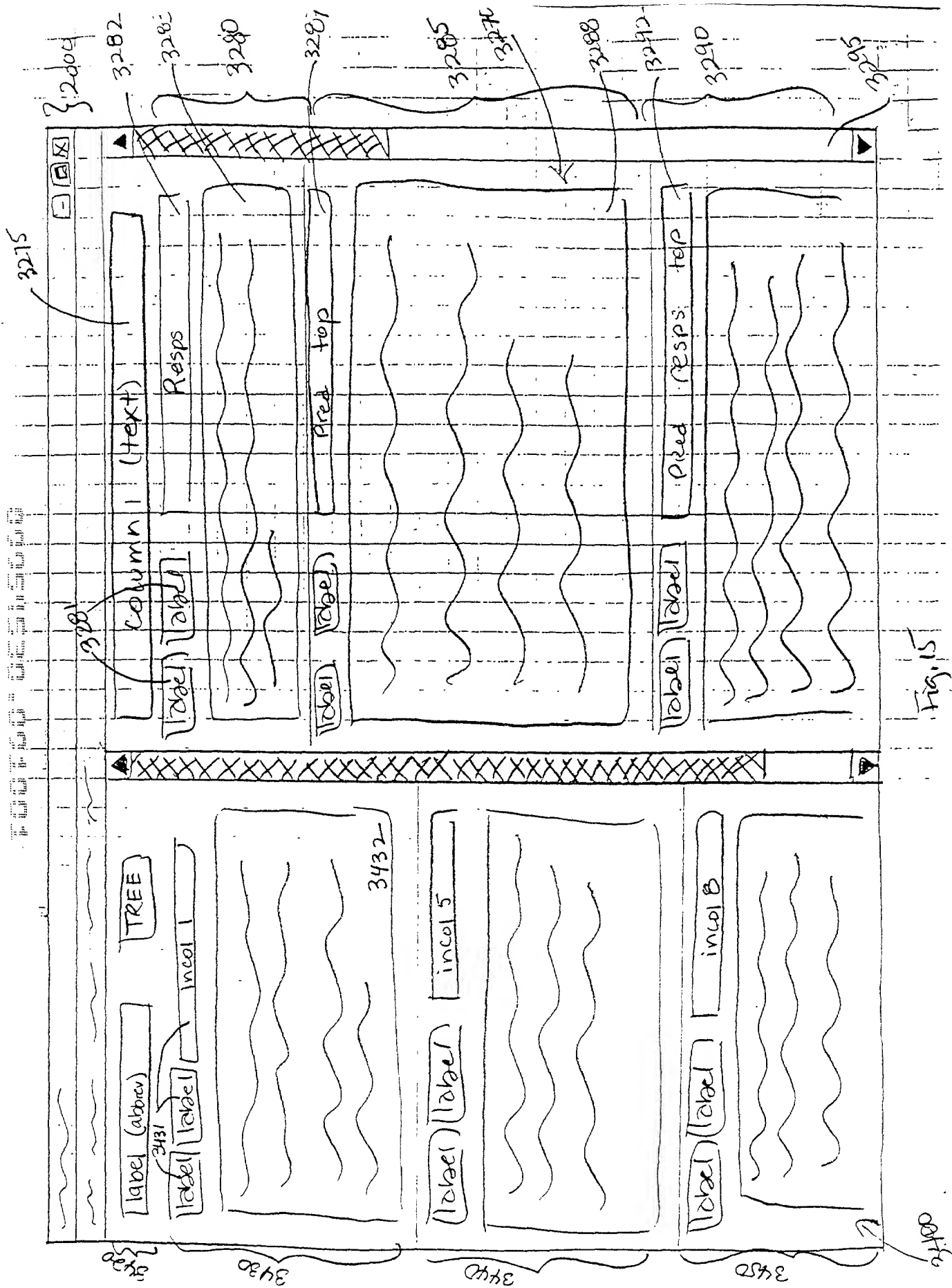
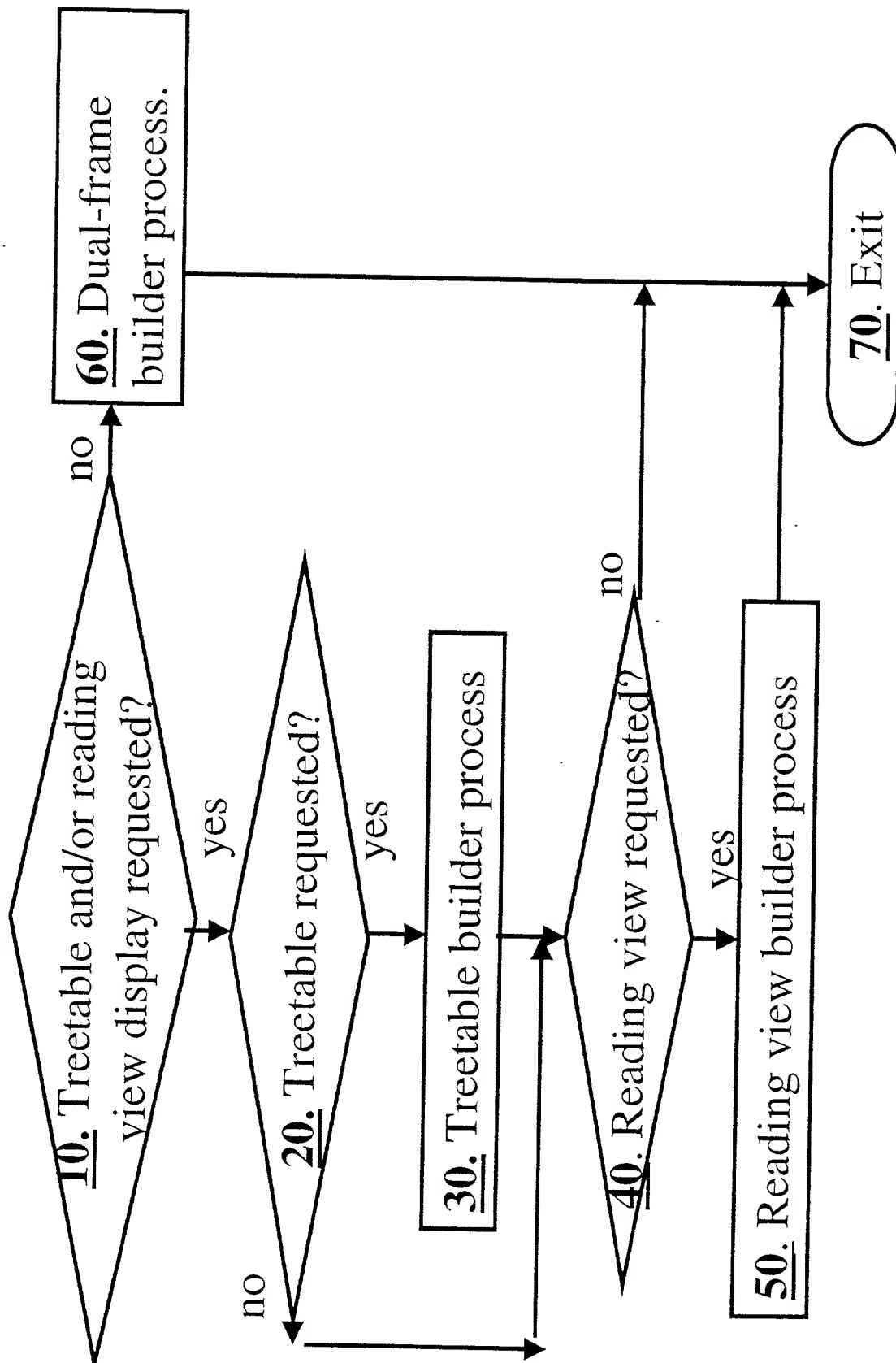


Fig. 14

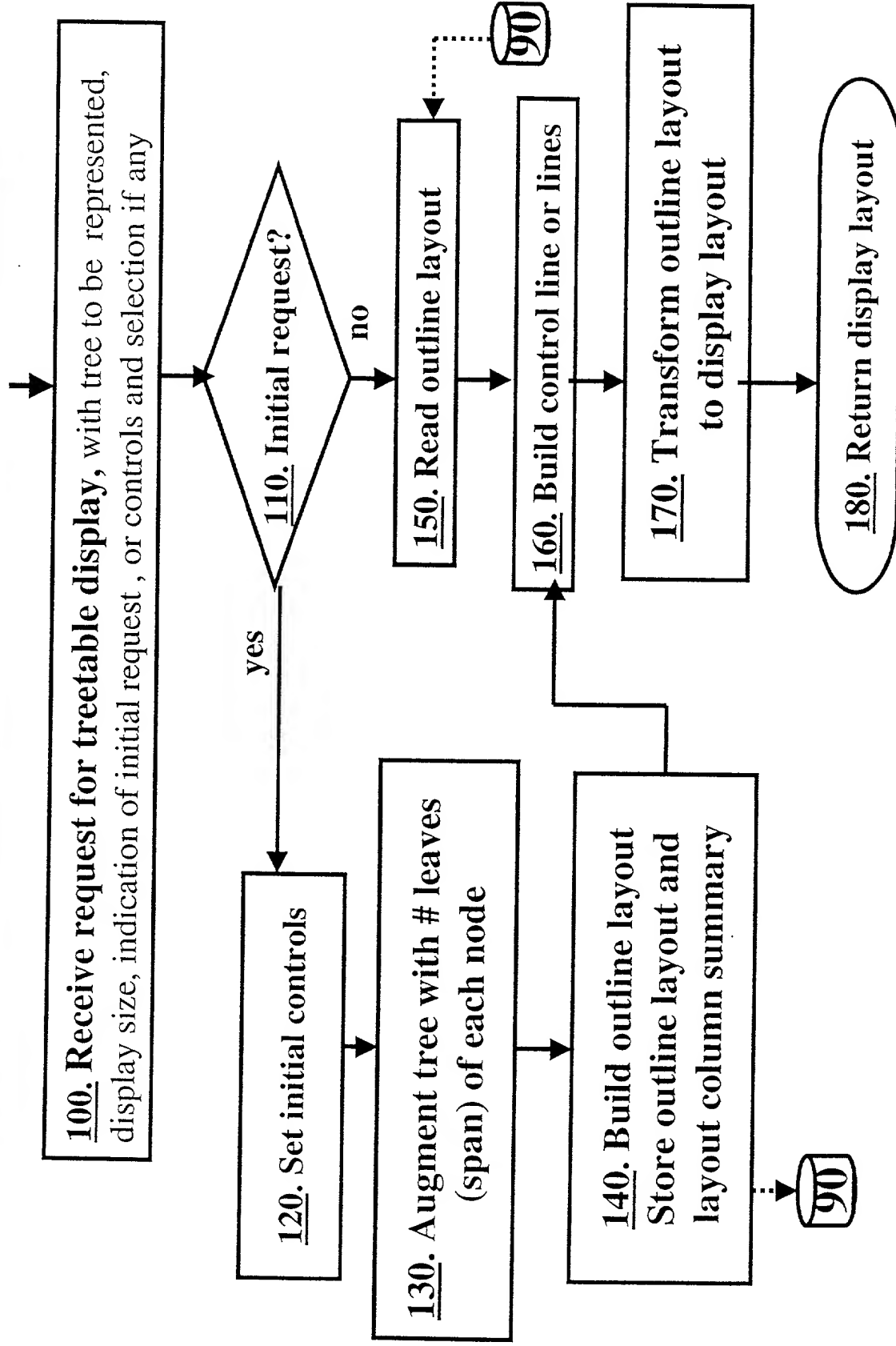


**Figure 16. Major Processes**

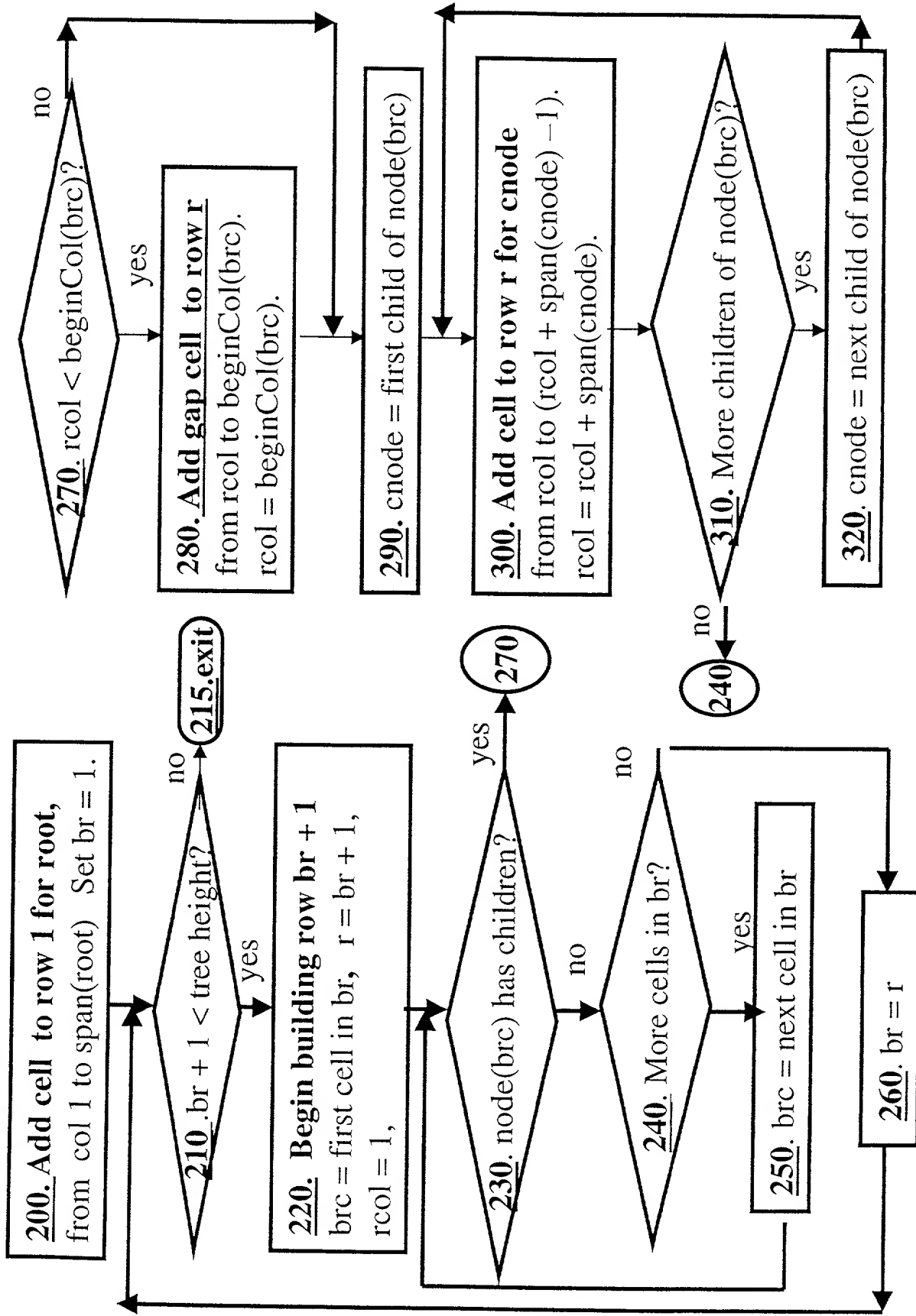




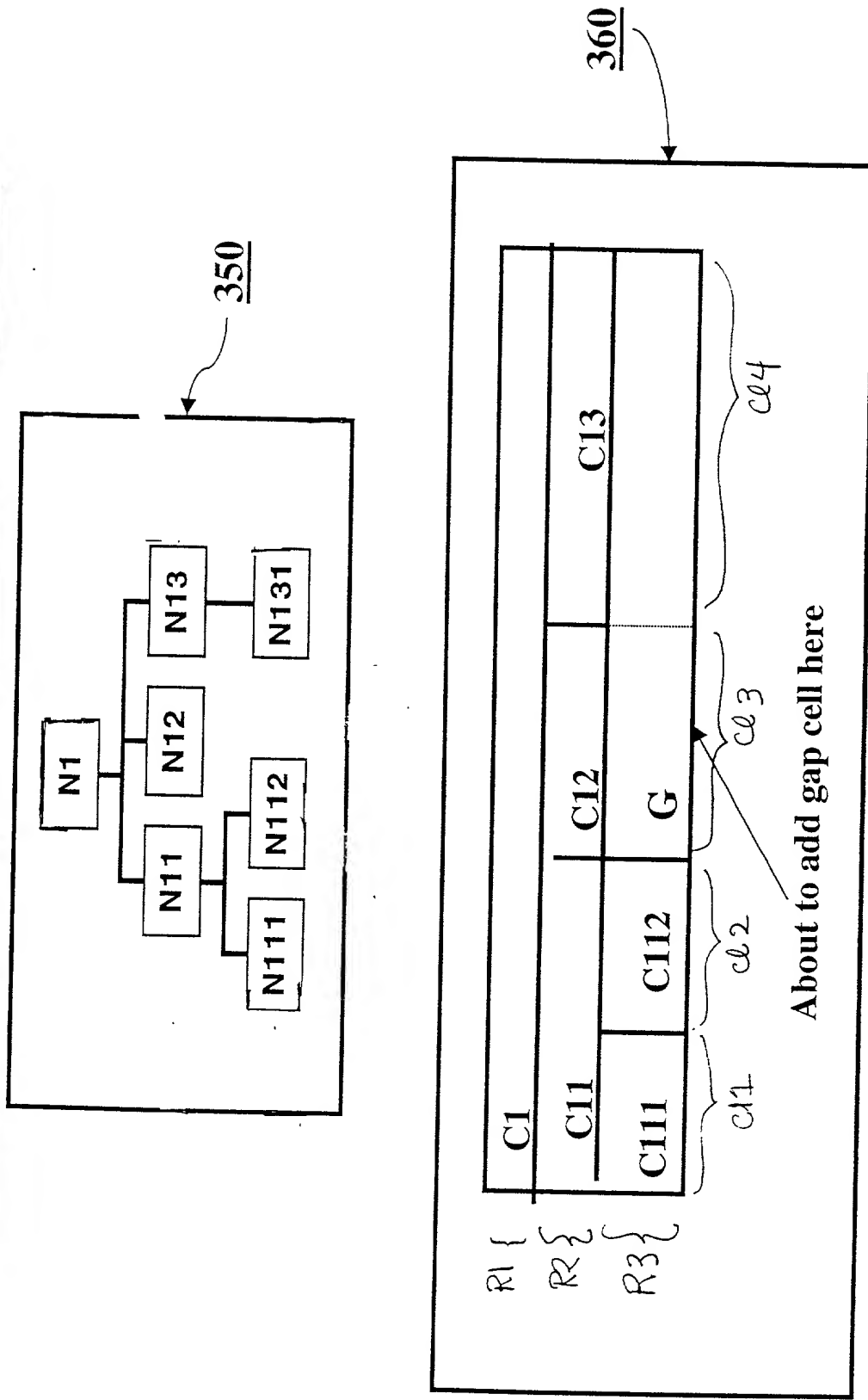
**Figure 17. Treetable Builder Process**



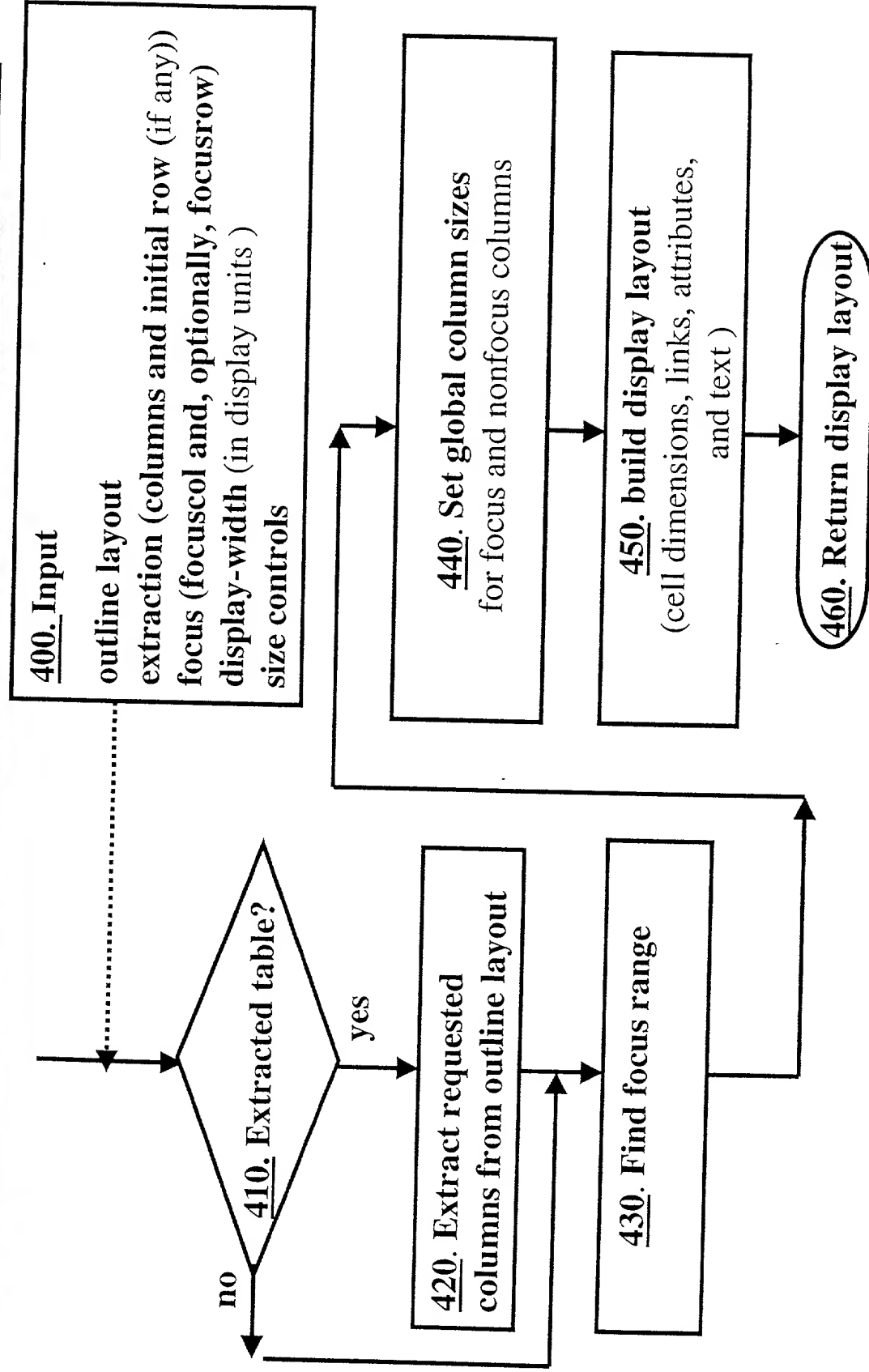
**Figure 18: Build outline layout**



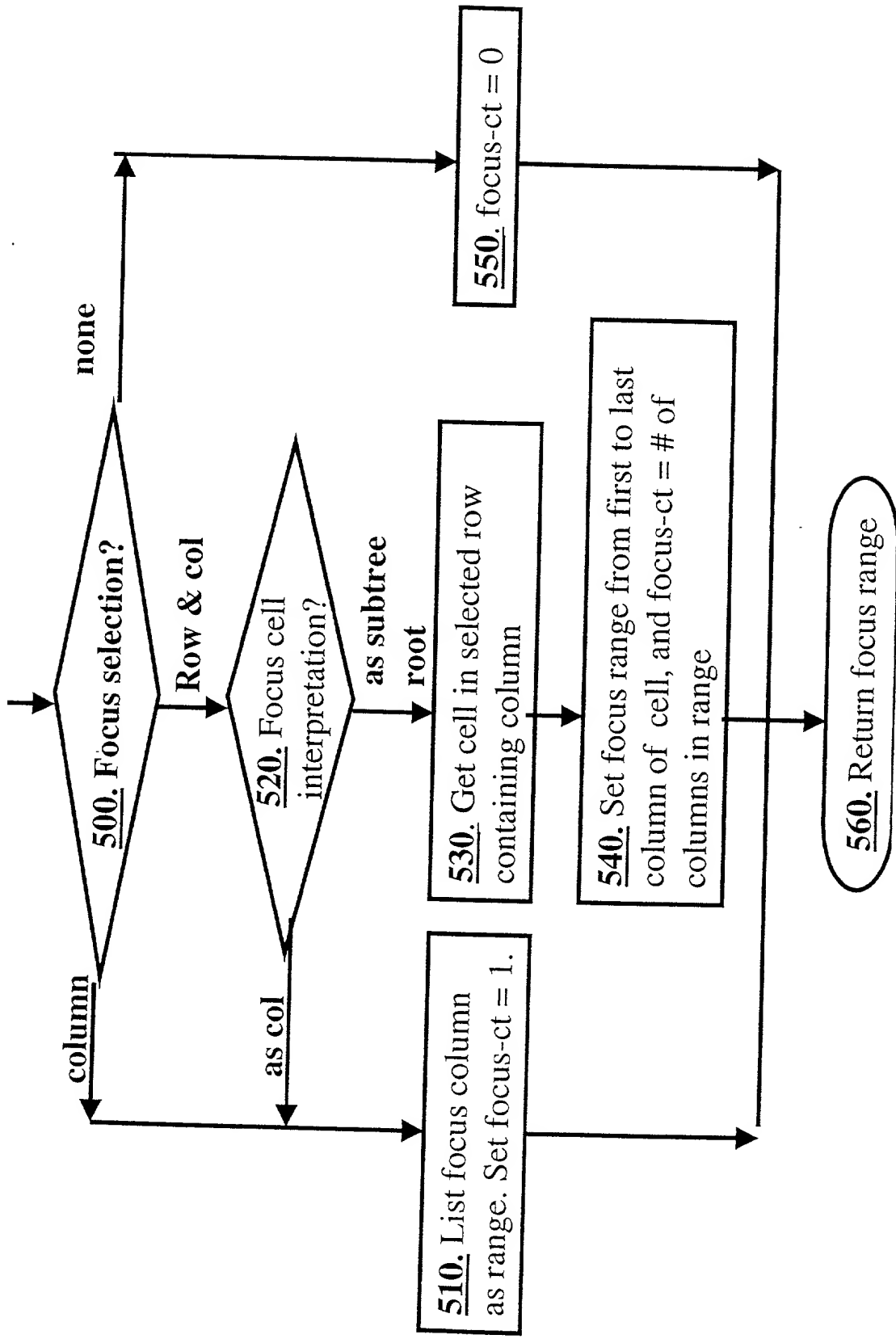
**Figure 19: during outline layout build**



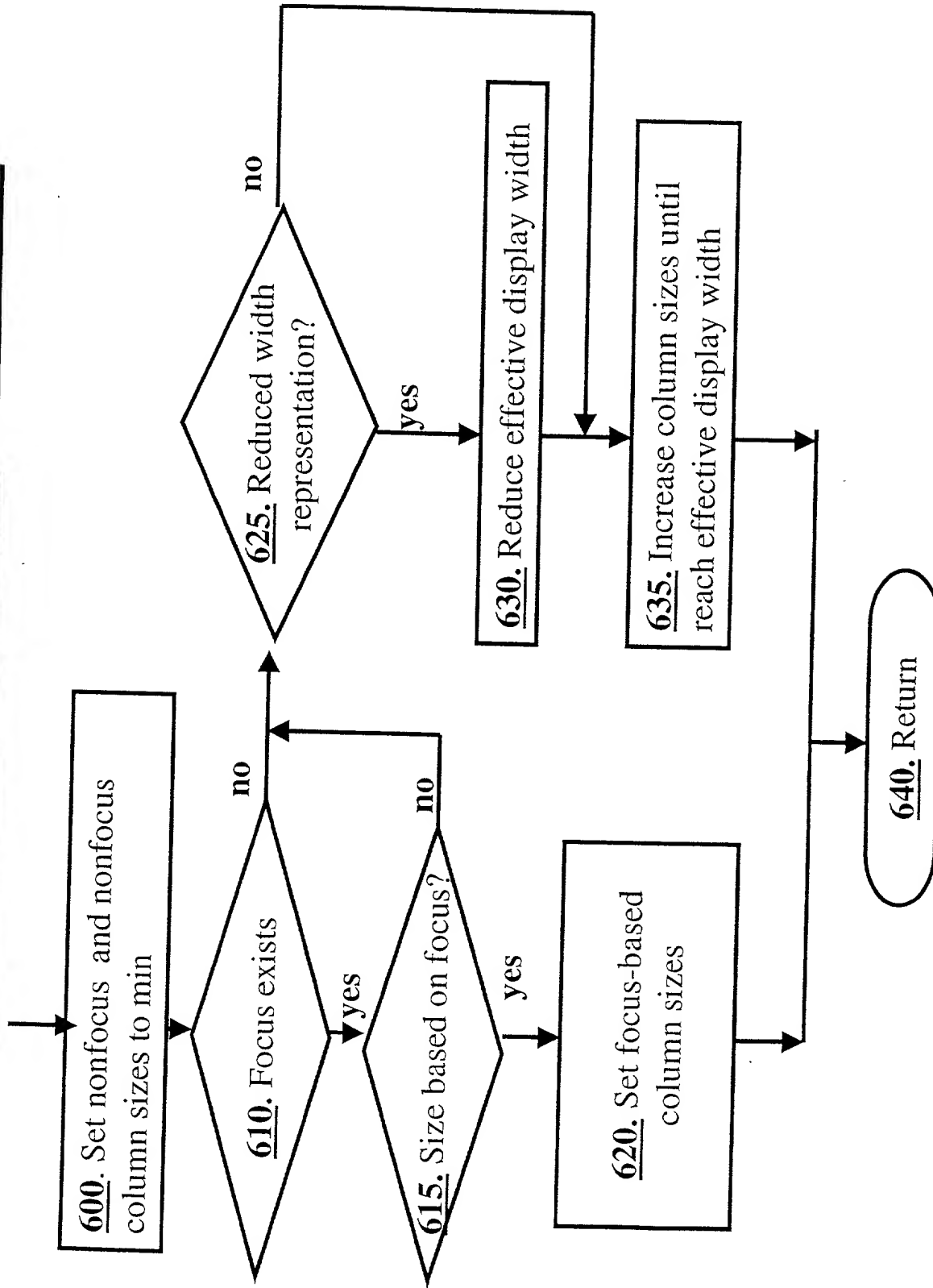
**Figure 20: transform outline to display layout**



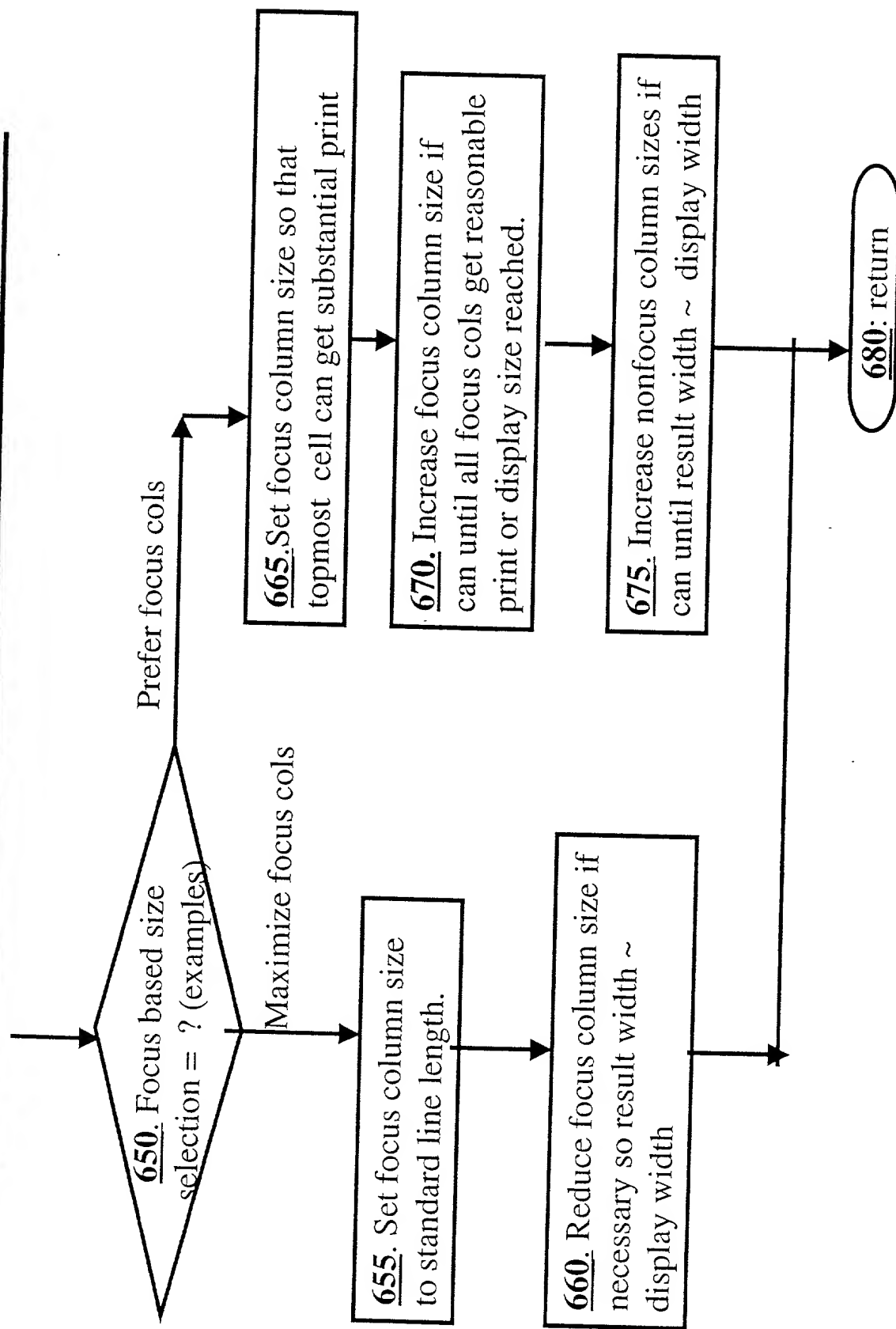
**Figure 21: find focus range**



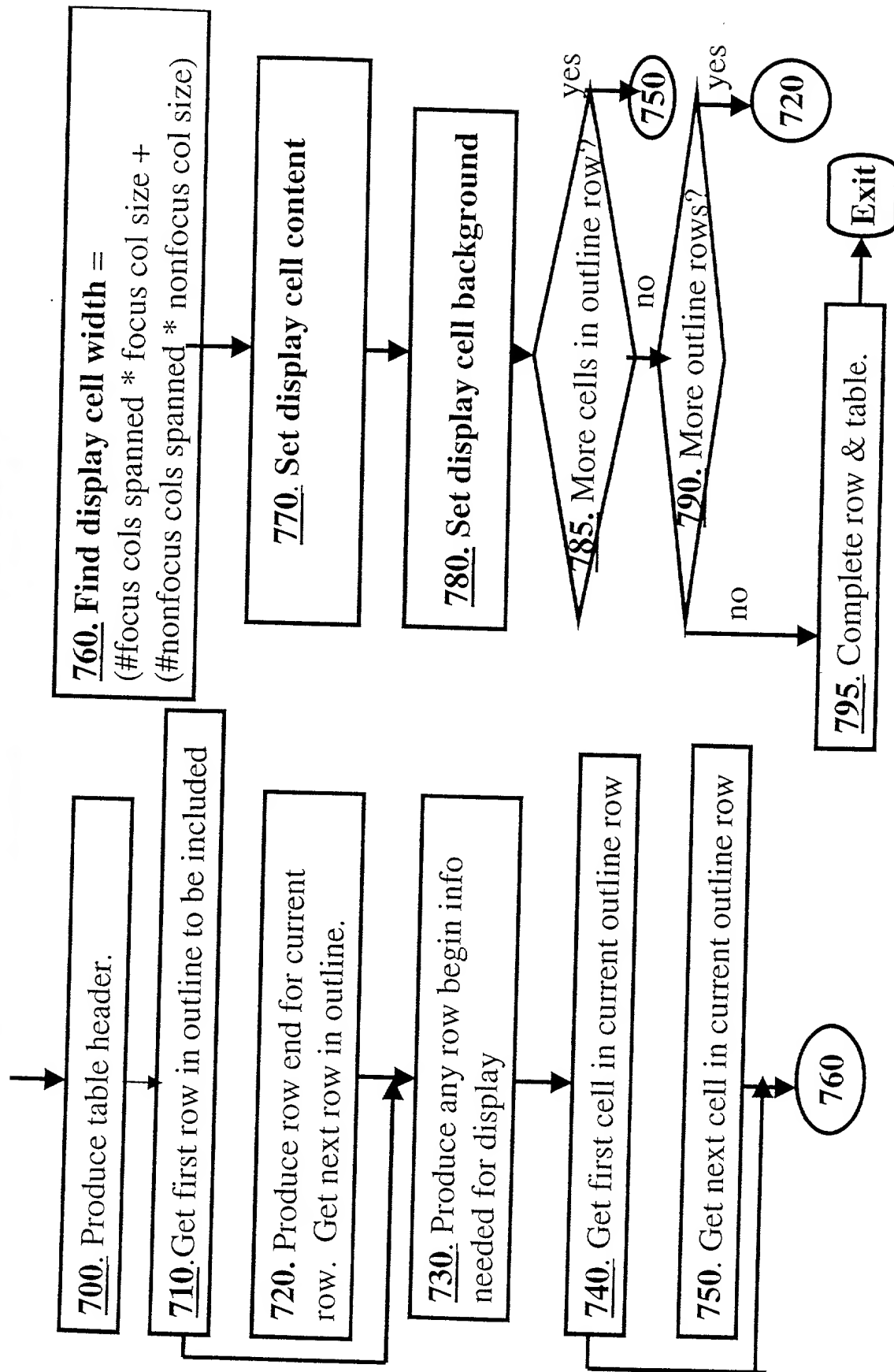
**Figure 22: set global column sizes**



**Figure 23: set focus-based column sizes**

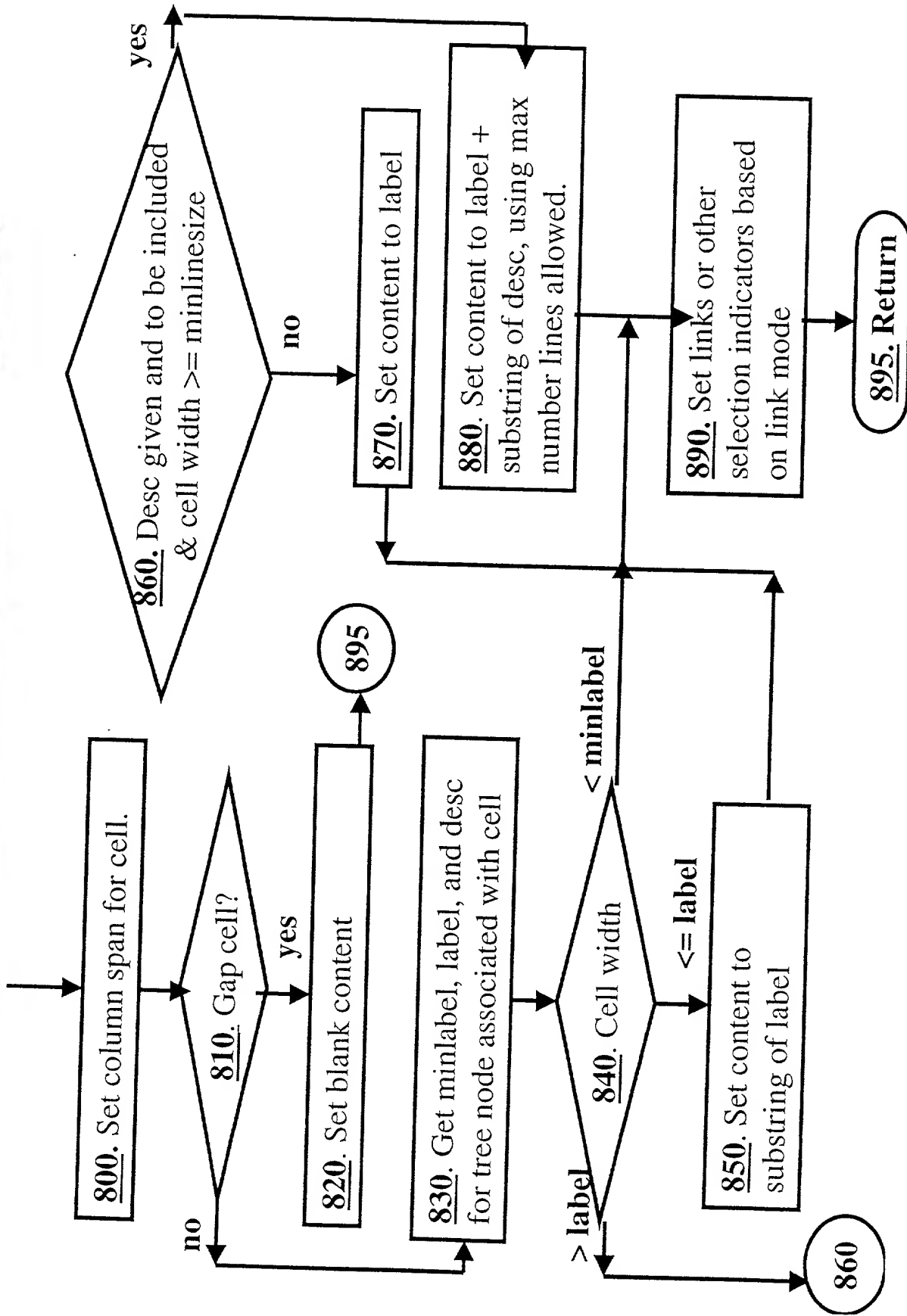


# Figure 24: build display layout

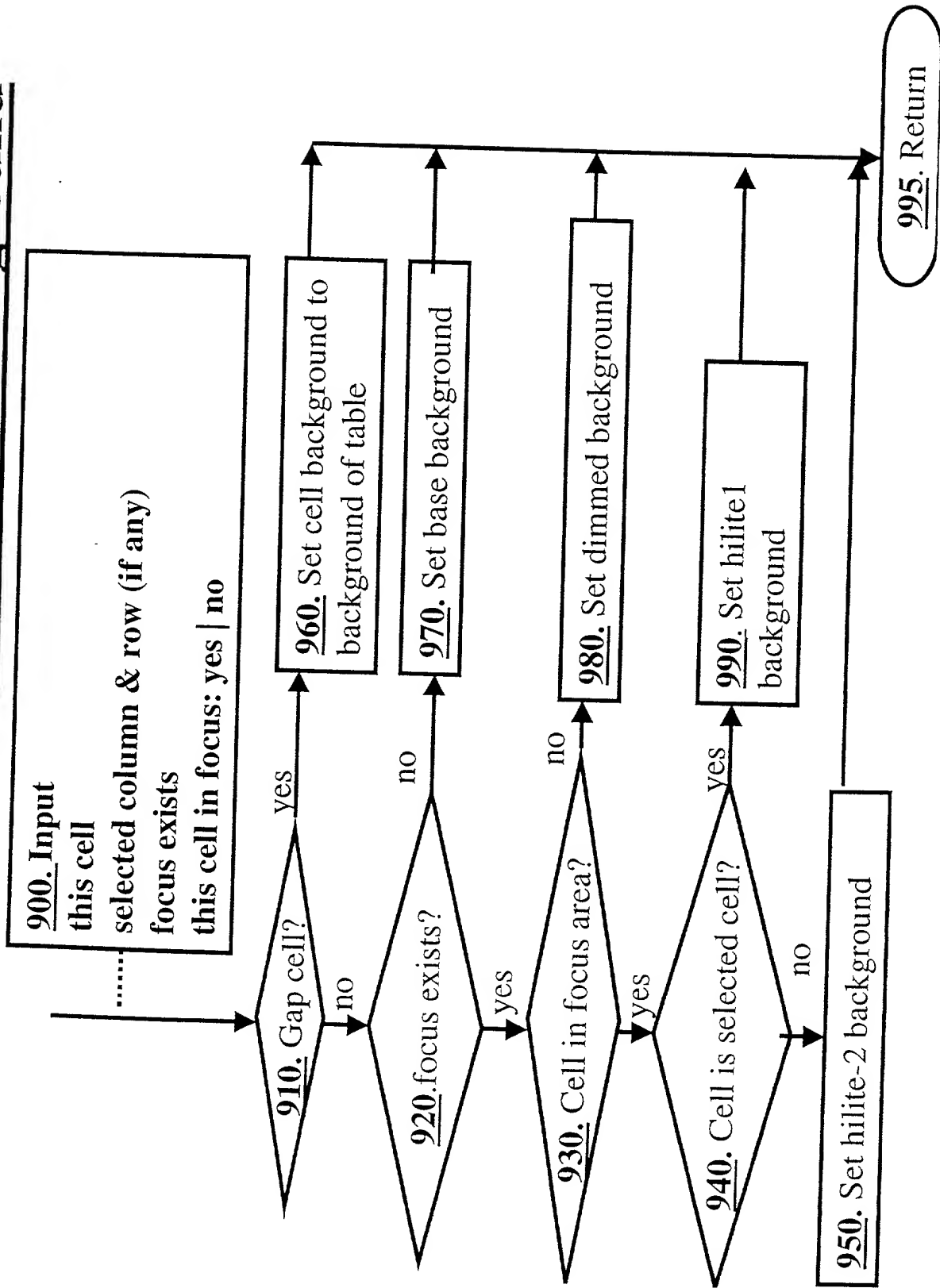




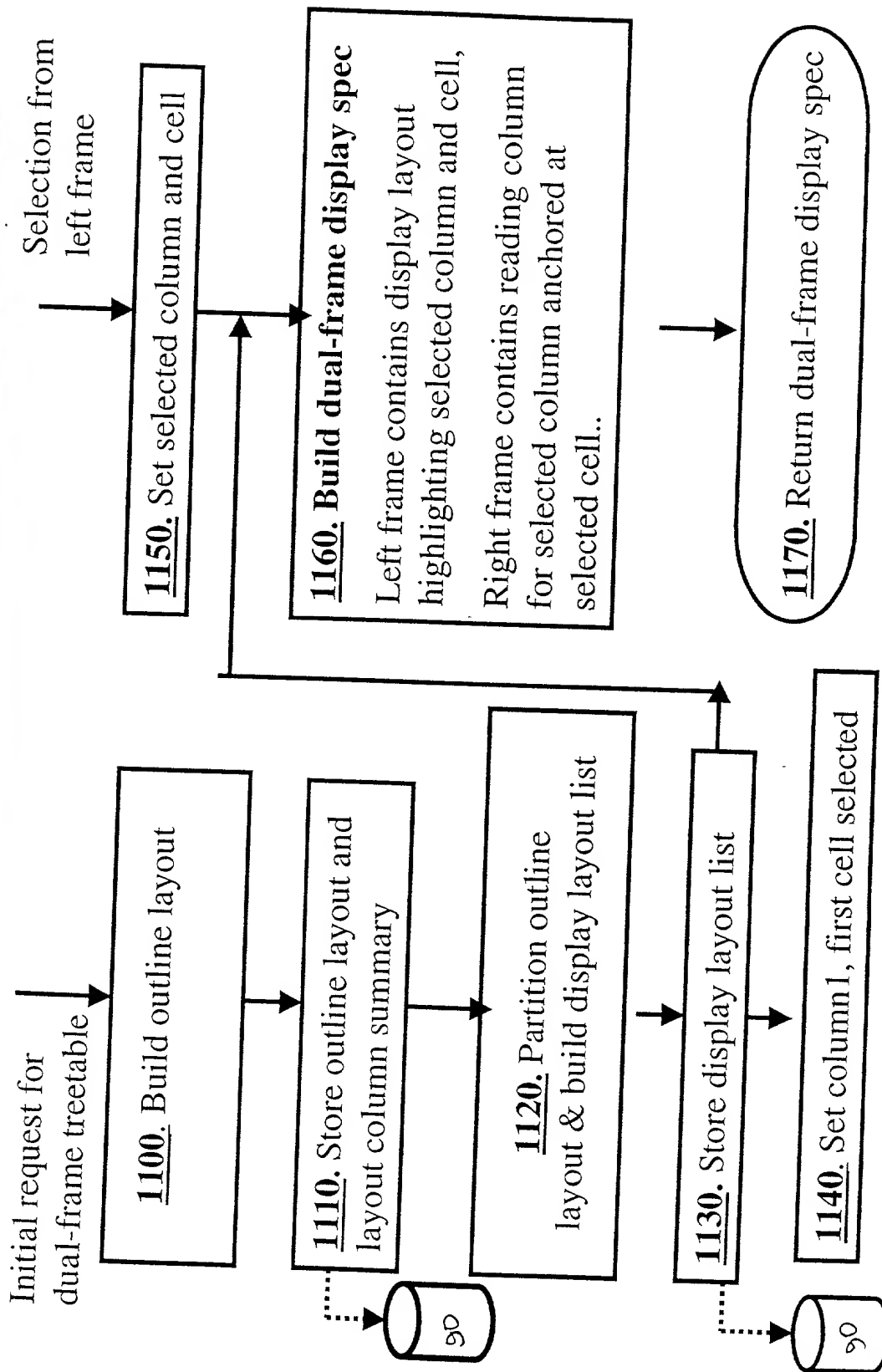
# Figure 25: set display cell content



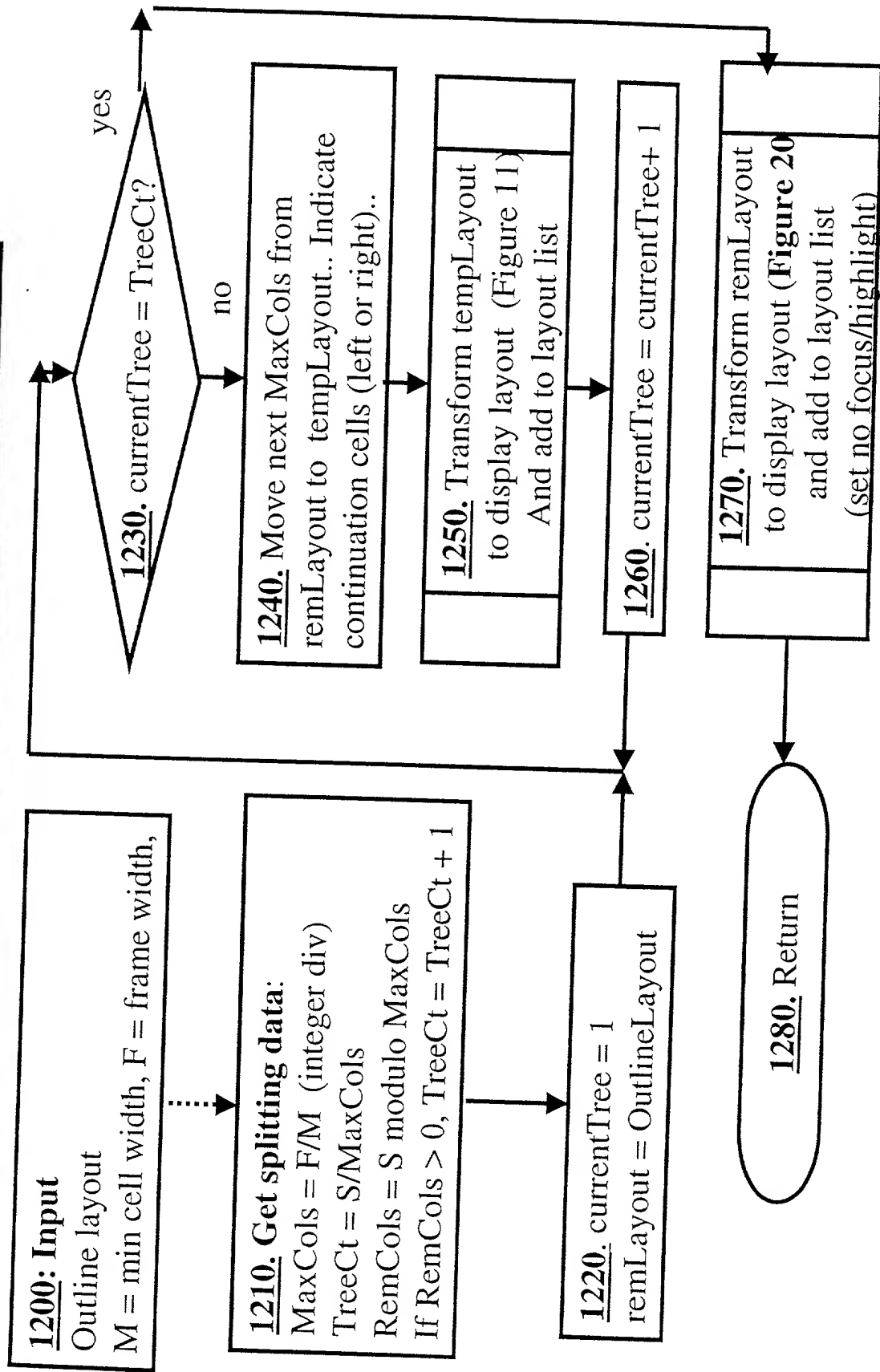
# Figure 26. Set display cell background



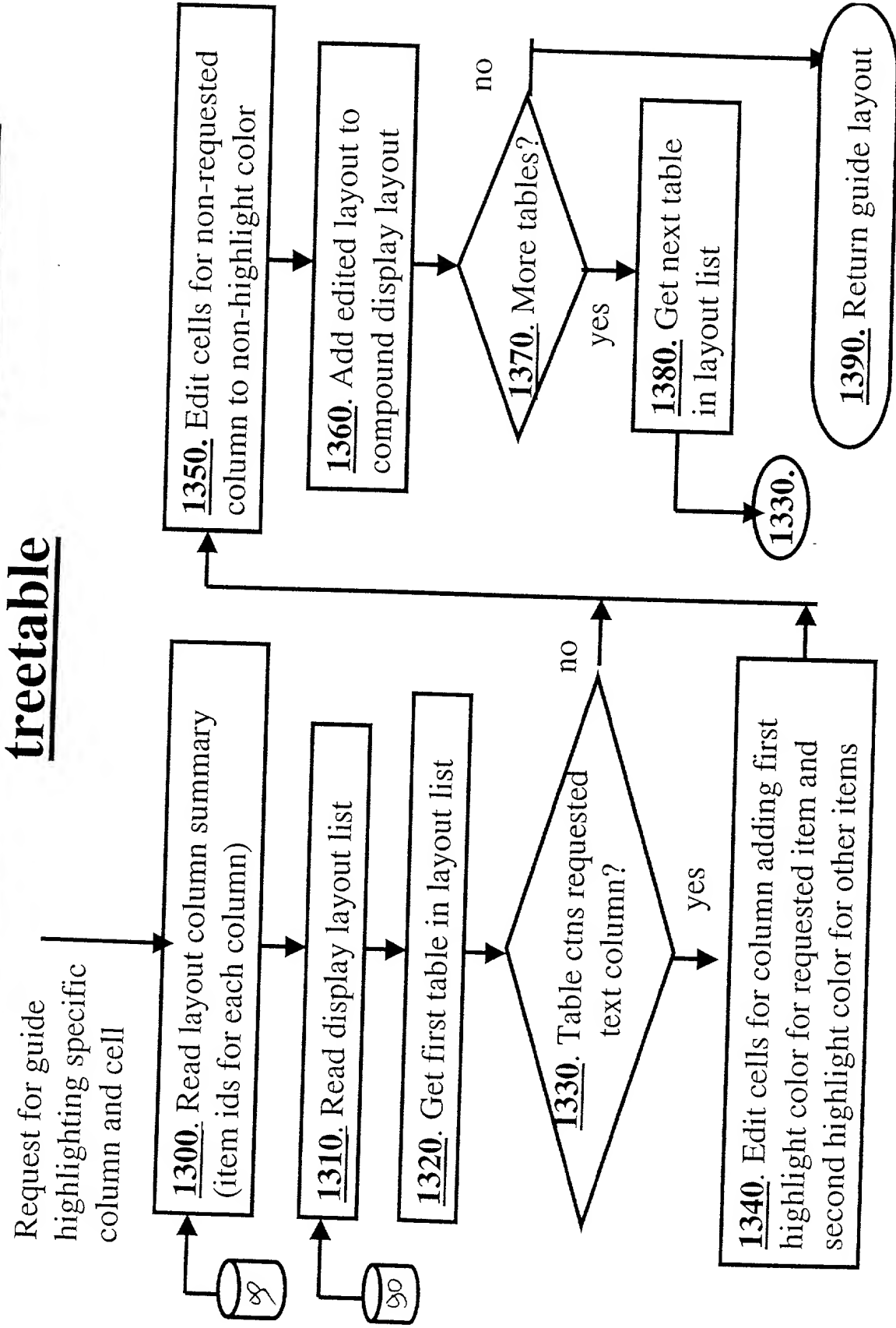
**Figure 27. Dual frame builder process**



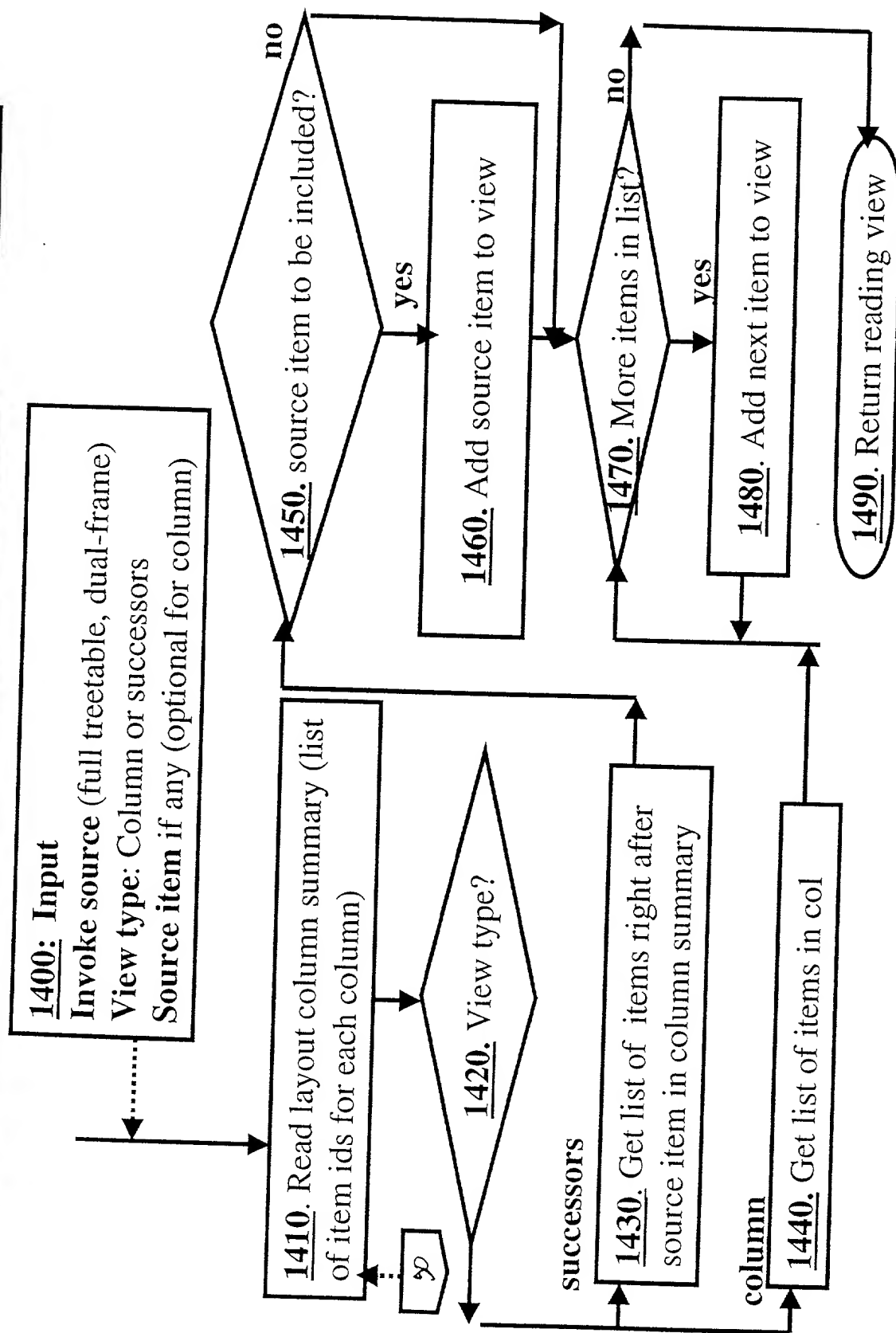
# Figure 28: build display layout list



# Figure 29. produce vertically partitioned treetable



# Figure 30. Reading View Builder Process



**Figure 31. Add item to reading view**

